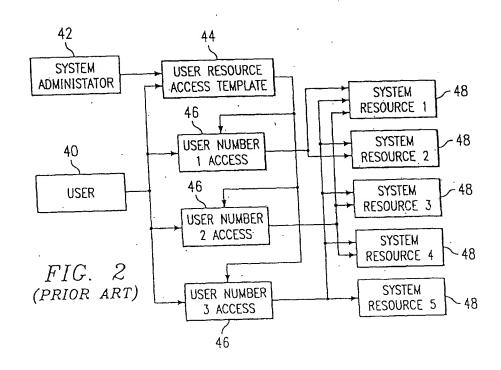
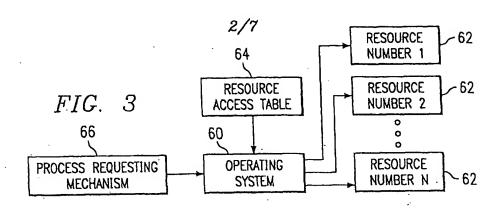
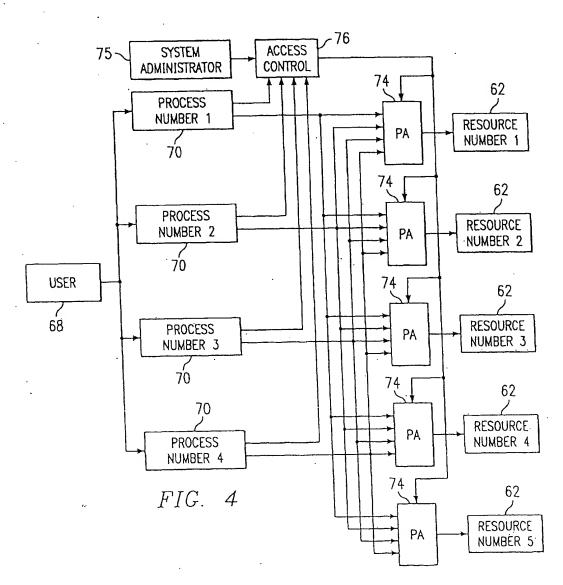
DAT. NO: 9AOE-21,513
TILE: BETHOD AND APPARATUS FOR
DMTERMINING PROCESS-BASED SECURITY IN A COMPUTER SYSTEM
DIVENTORS: Vincent Alan Larsen

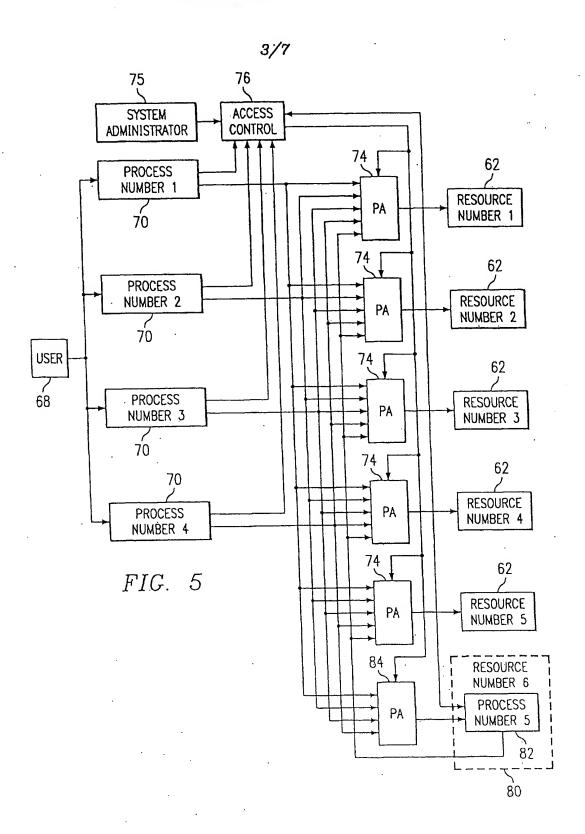
34 26 14 12 MODEM/FAX PTN DISPLAY KEYBOARD 24 28 10 **NETWORK** NETWORK NET CARD CPU RESOURCE 38 36 **SCANNER** LOCAL DISC LOCAL **MEMORY** 30 **INPUT RESOURCES PRINTER** 16 32-EXECUTABLE **FILES PROGRAMS** FIG. 1 DATA <u>2</u>2

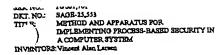
20



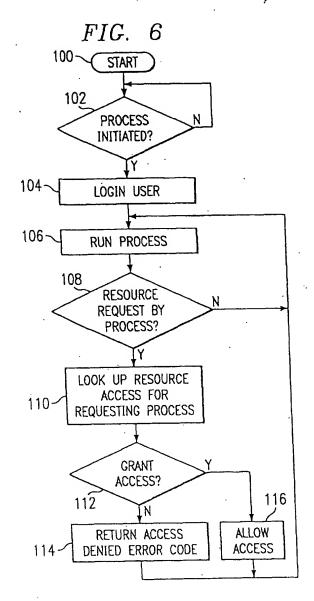


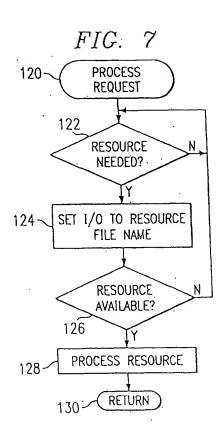






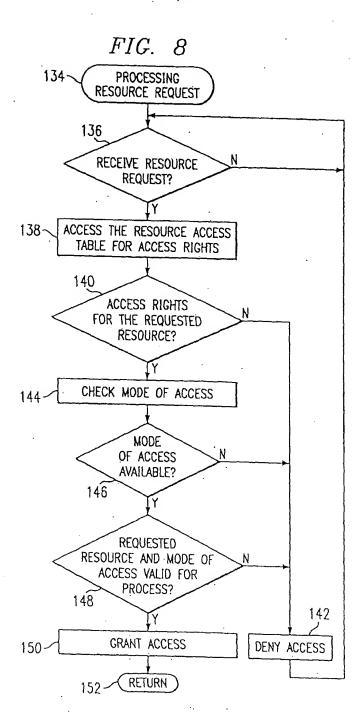
4/7

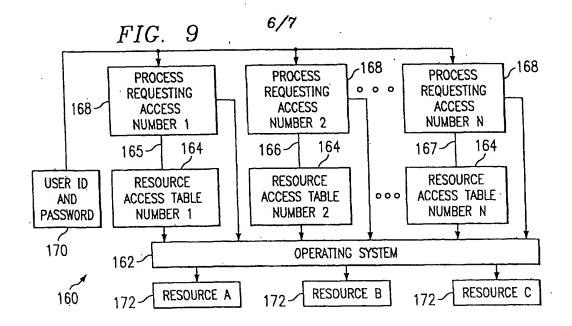


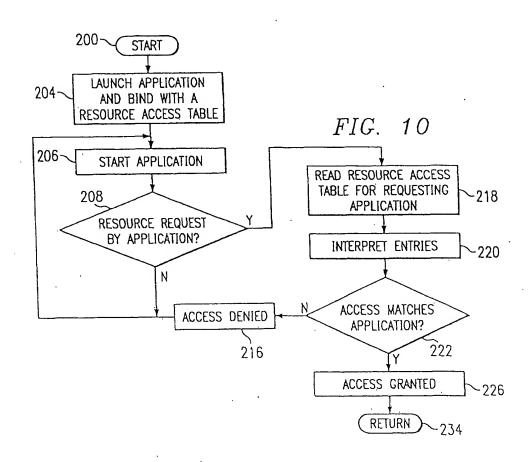


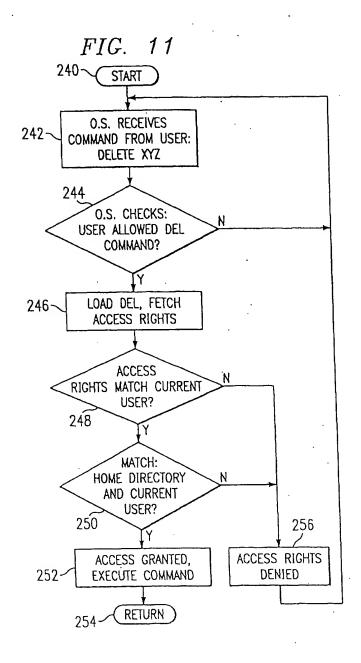
DKT. NO: 8AGB-25,553
TITLE: METHOD AND APPARATUS FOR
DAPLEMENTING PROCESS-BASED SECURITY IN
A COMPUTER SYSTEM
ENTOR: Viscent Alea Laten

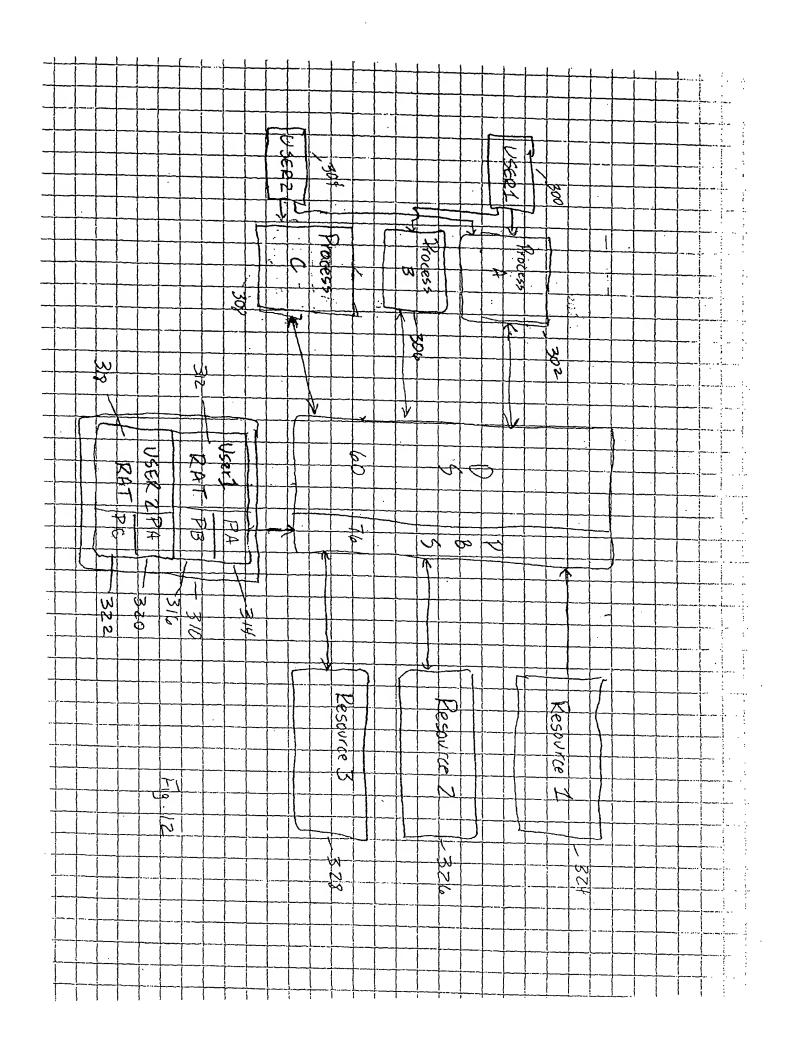
5/7











<del></del>	<del></del>	F190	re !	3	<del>- ;</del> .	· 	•	<u>:</u>		<u> </u>	: 	•					
:					:		Ī				!			<del></del>			
•	User/Client	P.	ocess		L		-:-		+	1 0 11	1	! ,	$\vdash$	·	<del></del> -		<del> </del>
1	TO TO THE TOTAL OF					<del></del>	<del>-                                    </del>	<del></del>	+	Auth	•	<u>cat</u>	101	<u> </u>			
+	<del>                                     </del>	1 1 1	•	, ,	on Ca			<del>- i</del>	<del>-</del>	Mod	ile	<u> </u>			نـــــا		
<del>i</del>	+	1 1 0	400	12	EXE)	)	Ĺ_	i	į.			:					
		<del></del>	<del></del>	<del>!                                    </del>	<del>-                                    </del>	++	+	<del>-</del>	1		!	<u> </u>	_				1
!	Initiate					11	_	7		1-1-	<del> </del>	+	-	<del>                                     </del>	<del>                                     </del>		
330	Authentication	###	10	-	1	+	33	2	+	┼─┼-	┼	<del> </del>	-		-		<del> </del>
220	HUTHENTICE TION	+++	+Ke	que	stiko	unden		1	+		-	<u> </u>	_	<u> </u>			; 
<del></del>			N	mb	er CF	\$V)			ightharpoons	(ize	ner	rte	R	2	33	4	!
				! !					1								
44	Enter Username,								†	1	ic	10	<del> </del>	<u> </u>			<del></del>
	Password	<del>                                      </del>	+			++	-		+						3	30	<del></del>
<del></del> -	10550010	+	+	$\vdash$		++	<del>-  </del> -	-+-	—	los	45	tru	t	re	-		
	+			<u> </u>		1	-	$\bot$								į	
_ <u> </u>							_			Sto	10	RN	-	[	33	8	
				I				11		719	+	1	!	-			<del></del>
			†	1-1	_	+++	<del>-</del>	++	<del></del>	+-+-	+	-	-		<del>                                     </del>		
_	<del>,                                    </del>	1-1-	+			+	<del>-  -</del>	+	+_	<u>; 5e</u>	nd	R	7	<u> </u>	34	2	:
<del>-  </del>	+++++	+				+		1	1				] 	!			
44	Grenerate Hosh								1							,	
	(Password + RV)							1			+	1	<del> </del>	-	1-1		<del>                                     </del>
		1	1			+		+	<del> </del>	<del> </del>	+-	├—		├	<b>├</b> ─┤		<u> </u>
	<del> </del>	<del></del>	+-		<del></del> i	+-+	<del>- i-</del>	$\rightarrow$	┼—		<u> </u>	· <del>}</del>	! 	<u> </u>			· · · · · · · · · · · · · · · · · · ·
le	Send Username,	+	-			44	_ــــــــــــــــــــــــــــــــــــــ	$\sqcup$	1_			Ĺ	ļ			i	;
_	Hash		1				i										
_ {						1	Ļ				†	<u></u>	<del> </del>	<del>                                     </del>			72/2
			+-	-	_	+-+		+		, ,		,	:	)	Tas		348
<del>-                                    </del>	+					$\rightarrow$			-	<u>                                     </u>	tre	PIL	for	Pe	ndi	<u> </u>	<u> </u>
<del></del>	+		<u> </u>			1		-1-1	-	LIE	leth	nti	cat	02		ار	
· 								-	-		1		!				-
						T			1	1	etri			1			350
		11 1			_		+	++	<del></del>	1	RTI	eve	- <	<u> </u>			350
		#++	+			+-+		+		<del>                                     </del>	-	<del> </del>	<u> </u>	<del> </del>	<u> </u>	ļ!	
<del></del>						1.			-	R	etrie	ve	B.	<u>L</u> wo	rd		352
	<del></del>			į			1			as	soci	dte	۸.,	H.	Jea	**	ame
								11			71	1	Y	1	V>	ப	MILE
:		7 ! ! !	1			十十	-		+	+	+	<del> </del>	<del> </del>	-			<del> </del> -
+		+++-		<del> </del>			<del></del>	-1	<del> </del>	- G	ener	ate	He	sh			354
		<b></b>	-			<del>     </del>			; <del></del>	(	المحدو	lord	+5	<u>W)</u>			
						_   _	;	1									
i <u></u>				I				17					1	1, .	1		
1				1		+	-	+	<del> </del>	1-40	in bi	re_	Ha	sh.	Kali	105	356
-		++-	+	<del> </del>		+++			+		<del>-</del> -	<u> </u>	<u> </u>	<u> </u>			
<del>-i-</del>	++++++	+		$\vdash$		+}	<del>-</del>	4	<del> </del>	M	لملم	4 J	rac	551	Ia	sk	357
	++			-					<u>_</u>	_   <	154	Ĭ.,,	10				
								IT			1	1	-				
			£ 1	 	_ 13	62		-++-	+-	1	1	<u> </u>		<del> </del>			
T	T	1 1 1	i i	1 1	=  -	+	<u> </u>	4	<del> </del>		shti	m_	flu.t.	ben	rco	ροτ	-
		+++	SRY	han	78	4	<b>—</b>	1	-	56	Hu	ser	= 1	1se	Ma	m	€ 360
_ _								_	1		}	1	i				
1				[	!	1 -	-		T	-	1	-					<del> </del>

Set Pagement  369 Enter Old Rosement  Authentiation 369  Pracess  Carrier Authentiation 369  Rosement  Show Ros	<del></del>	· <del></del>			Figure 14			<del></del>
308 Inter Old Romand  Authoritisation 769  Fraces  Cantina Rutheritisation 369  370 Enter New  Research  372 unassociation with  2572 unassociation with	<del></del>	<u> </u>		<u> </u>	- <del></del>	-		
3/8 Enter Old Rampid  Authoritistics in 769  Praces  Cantina Duthentistics is 369  Star Resource  The Resource  In association with User norms  User norms	<del></del>	+						
368 Enter Old Rismond  Authorhination 766  Process  Consum Authorhination 369  Star Resoured  Star Resoured  Market New  West norms  Market New  Marke	++-	+	Set Pas	sword			Authentication	
368 Enter Old Resourced  Authorntication 766  Pracess  Continue Authorntication 369  State Resourced  There Resourced  There Resourced  State	<del>-                                    </del>							
368 Enter Old Riscoped  Authernication 766  Pracess  Cachina Authernication 369  Cachina Authernication 369  Anter New Association with user norms	<del></del>	364	+_+-				+	
Apthentiation 766  Pracess  Canhina Authentiation 369  State Resourced  Apthentiation 766  Pracess  Canhina Authentiation 369  State Resourced  Massociation with 372  West norms	<del></del>	1	Enter Us	ername	+++	-	+ + + + + + + + + + + + + + + + + + + +	
Authentiation 766 Pracess  Cashina Authentiation 369  State Resourced 3722  Massociation with User norms		3/08	F .		+		++	
Cashim Authentich in 369  Cashim Authentich in 369  Star Resward  Star Resward  Authentich with  Exername			Enter Old	Hossuprd:	+	-		
Georgian Dulbert Leption 3699  370 Enter New  Rescuped  State Rescuped  User no me  User no me					++			766
370 Enter New Resourced  State Resourced  Jacobs							Process	+++++++++++++++++++++++++++++++++++++++
370 Enter New Resourced  State Resourced  Jacobs	- <del>  -</del>	+			<del>-}-}-</del>	<del> </del>		1.150
Resourced  Stars Rossword  Jesus no. ms  Jes	+				1	<del>                                      </del>	Captum Buthent	cation 369
Resourced  Stars Rossword  Jesus no. ms  Jes				<del>                                     </del>	1	-	+	
Resourced  Stars Rossword  Jesus no. ms  Jes		870	Fater Nie					++++
Stare Rossward  In association with  User no me		910	Recuped				<del></del>	+++++
Jassociation with User name  User name								++++++
Jassociation with User name  User name						1	+ + + +	<del></del>
User no me								
							1 1 1 1 1 1	with
							user norme	+++++
								++++++
		-						
			1-1-1-					
	++-		-		++++			
		+	<del></del>					
	+		+		+		+	
	+		<del> - - -</del>				+	
<del></del>	+		+		+++		+++++	+
		<del>                                     </del>	+		+++		+	

	' ! <del></del>	· · · · · · · · · · · · · · · · · · ·				F	9: 15		<del></del>	<del>!</del>
	: 		·	· 			ر ا	: :	;	
		Key	Exchang	e	_:		:	, i		
										:
	Client				Se	rver		-1-1-		<del></del>
								, :	1	
					:				1	
374	Request Key	Exchange								<u> </u>
775	Send User								1	
707	Enter Passu			Mo	dif	Tost	54	ructure	3	7(-
21				7	3					<b>K</b>
				Cox	ener	to t	2411		7.	73
									-	
				Se,	no Ri	51			38	20
				<del></del>					100	
				Ro	triève	Pac	SWO	d (Pw	<u>1</u>	2 70 7
382	Calculate ho	<b>x</b> < <b>h</b>		240	ocio:	red /	11. fh	userno	2	1302
	H/PW RA			-			71.7.	0,70,700	The state of the s	+
				(0)	Icula	70	h 1		384	<del>                                     </del>
					PW,			\- <u>+</u> -	700	7
					1 10 1	7/12	ν			<del>                                     </del>
386	Key = H(F	WRNI		r	. 1	- 11/	Pul	RN1)	-	398
				- AF	ין ל	- 14 (	1100	1 V V I		200
				Con	neral	n 12	112		7	80
					2/4/0		142		+	
				50	nd R	N 7	<del></del>			92
							+		+3	7-4-
				(0	loul	2 + 2	<del></del>		39	<del>                                     </del>
304	saculate t	lash			1(PV	I DA	US J		129	-
	H(PW, RA	12)			146	7,72	V(L)			<del>                                     </del>
				1/0	. 7 :	11/	1211	RNZ)	7	98
400	Key 2 = H(F	W PNID)			9 -		440	KIV E J	+2	70
		11802	111				-		-	<del>    - ! - :</del>
			+++	M.	21.[ -		+ -	ctuce	-	100
					-119	KASK	ZLLY	CIVICE		102
			111	1-1		<del>                                     </del>	+-			<del>}                                    </del>
							+-		-	<del>                                     </del>
				++	-		-		-	-
						<del>                                     </del>	-		+	<del> </del>
			111	++	_	<del>                                     </del>	-		-	
			<b>++++</b>	+++		<del>                                     </del>	+	<del>  -</del>	+	+

